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(71)Applicant : HITACHI METALS LTD

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(54) PISTON RING MATERIAL

(57)Abstract:

PURPOSE: To provide a piston ring material excellent in seizing and wear resistances with a relatively low-cost low-alloy steel.

CONSTITUTION: This piston ring material has a compsn. consisting of, by weight, 0.50-1.40% C, $\leq 2.0\%$ Si, $\leq 2.0\%$ Mn, 0.5-5.0% Cr, 0.5-5.0% Cu and the balance Fe with inevitable impurities or further contg. $\leq 1.0\%$ Mo and/or $\leq 1.0\%$ W, $\leq 0.5\%$ V and/or $\leq 0.5\%$ Nb, $\leq 2.0\%$ Ni, $\leq 1.0\%$ Co and $\leq 0.15\%$, in total, of 0.04-0.10% S and/or $\leq 0.1\%$ Se.

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